

REMARKS

The Examiner has made a restriction requirement under 35 U.S.C. § 121. Applicants hereby make a provisional election of Group 1, claims 1-19, with traverse.

Claims 30-49 (Group 2, Group 3, and Group 4), have been canceled.

New claims 50-58 have been added, claiming a combustion system. Independent claim 50 recites "an air preheater for preheating a combustion air stream in the combustion system," "a computer model designed to model the operation of the combustion system, wherein the computer model is used to determine optimal locations to inject particles into the combustion system," and "a particle injector for injecting particles into the combustion system at one or more of the determined locations." Applicants assert that new independent claim 50, and dependent claims 51-58 fall within Group 1.

New claims 59-65 have been added, claiming a method of capturing gas phase pollutants in a combustion system having an air preheater. Independent claim 59 recites "creating a model of the combustion system" and "using the computer model to perform modifications to the combustion system, wherein the size distribution of resultant ash particles in the combustion system has an increased population of fine particles below 5 microns." Applicants assert that new independent claim 59, and dependent claims 60-65 fall within Group 1.

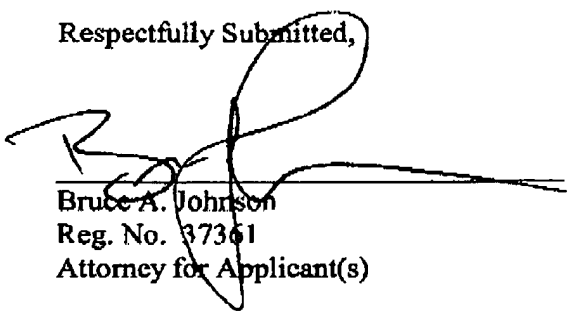
New claims 66-76 have been added, claiming a method of capturing gas phase pollutants in a combustion system. Independent claim 66 recites "creating a model of the combustion system," "using the computer model to configure the combustion system," and "injecting particles into the combustion system at one or more locations, wherein the size of the particles and the location of the injection are chosen such that pollutant condensation occurs primarily on

the injected particles." Applicants assert that new independent claim 66, and dependent claims 67-76 fall within Group 1.

Should there remain unresolved issues that require action, it is respectfully requested that the Examiner telephone Bruce A. Johnson, Applicants' Attorney at 512-301-9900 so that such issues may be resolved as expeditiously as possible.

Respectfully Submitted,

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Date


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